Week 4 Lab - Sentiment Analysis II

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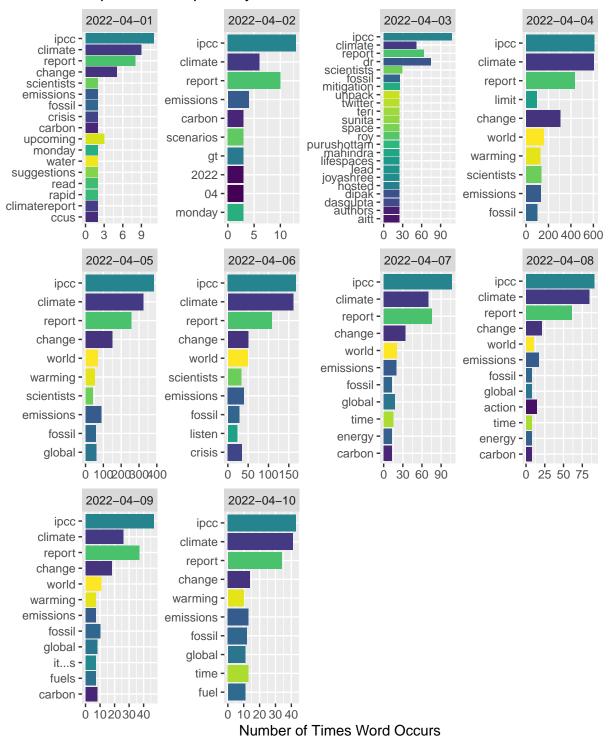
Question 1: Clean Data

```
clean data <-
 raw_tweets[, c(4, 6, 10:11)]
tweets <-
  tibble(id = seq(1:length(clean_data$Title)),
        text = clean_data$Title,
         date = as.Date(clean_data$Date, '%m/%d/%y'),
         sentiment = clean_data$Sentiment,
         emotion = clean_data$Emotion) %>%
  mutate(text = str_replace(string = text,
                            pattern = "http.*[:space:]",
                            replacement = ""),
         text = str_replace(string = text,
                            pattern = "http.*$",
                            replacement = ""),
         text = str_replace(string = text,
                            pattern = "@.*[:space:]",
                            replacement = ""),
         text = str_replace(string = text,
                            pattern = "@.*$",
                            replacement = ""),
         text = str_to_lower(text))
words <- tweets %>%
  select(id, date, text) %>%
  unnest_tokens(output = word,
                input = text,
                token = "words") %>%
  anti_join(stop_words, by = "word") %>%
  left_join(bing_sent, by = "word") %>%
  left_join(
```

```
tribble(
    ~sentiment, ~sent_score,
    "positive", 1,
    "negative", -1),
by = "sentiment")
```

Question 2: Compare 10 Most Common Words per Day

Top 10 Words per Day



Question 3: Add Color to Wordcloud



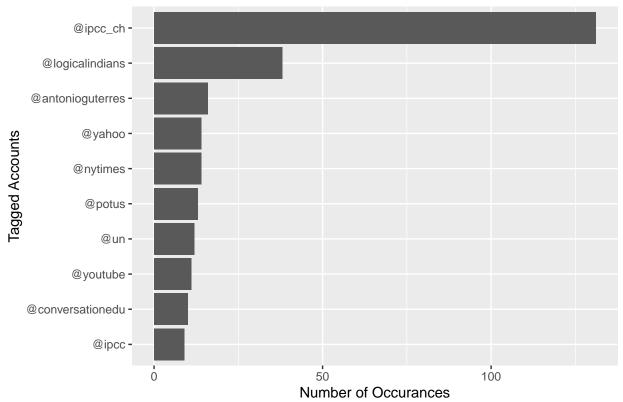
Question 4: Most Tagged Accounts

```
corpus <- corpus(clean_data$Title)

tagged_tweets <- tokens(corpus, remove_punct = TRUE) %>%
   tokens_keep(pattern = "@*") %>%
   dfm() %>%
   textstat_frequency(n = 10)

tagged_tweets_tidy <- tokens(corpus, remove_punct = TRUE) %>%
   tokens_keep(pattern = "@*") %>%
   dfm() %>%
   tidy()
```

Frequency of Top 10 Most Tagged Accounts



Questeion 5